



Submit resume and cover letter to:
Northern Water, 220 Water Ave.
Berthoud, CO 80513
Email Preferred: careers@northernwater.org

Posted: 03/18/2025
By: JG
Removed:
By:

Senior Water Resources Engineer (Engineer Level IV)

Division/Department: Engineering Division/Water Resources Department
Reports to: Water Resources Department Manager
Location: Berthoud, CO
Type of Position: Full-time
Status: Exempt
Salary Range: \$126,542 - \$176,696

GENERAL STATEMENT

This position is responsible for completing planning studies, operational studies, or project design of complex projects.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Manages contract documents and bid/proposals.
- Develops Northern Water policies on technical subjects.
- Plans and directs major projects or several small projects.
- Designs and coordinates complex planning, engineering and operational projects.
- Serves as project manager on complex projects.
- Presents and/or discusses complex issues with Northern Water's Board of Directors.
- Assigns and directs work of staff on assigned projects.
- Prepares and coordinates project scope, progress and budget on assigned projects.
- Performs investigations, calculations and sketches necessary to complete planning studies or to complete design of more complex projects.
- Writes reports and prepares specifications and drawings for projects.
- Manages consultants on more complex projects.

OTHER DUTIES AND RESPONSIBILITIES

- Review technical and management work of Engineers I, II, and III.
- Other engineering duties and support as assigned.

EDUCATION AND EXPERIENCE REQUIREMENTS

Education

- Bachelor's degree in civil engineering or related field. Master's degree desired.

Experience

- Minimum of 12 years of progressive responsibility and experience related to water resources engineering, managing engineering design, and/or construction of large-scale water

projects. Demonstrated experience in the planning and implementation of water resources projects including engineering design and construction inspection, contract administration, project management, and/or water resources modeling and analysis.

- Formal training in or demonstrated experience with typical water resources matters such as river and reservoir modeling, Colorado water rights and water administration, and contemporary water development issues in the South Platte and Colorado River basins.
- Familiarity with Northern Water and Subdistrict projects and operations is highly desirable.

LICENSE, CERTIFICATE AND CREDENTIAL REQUIREMENTS

- Valid driver's license.
- Registered Professional Engineer (PE) in Colorado.

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge

- Advanced knowledge, experience and proficiency with computer operating systems, database/spreadsheet applications, word processing programs and Office.
- Familiar with ESRI ArcMap.
- For Water Resources staff, familiarity with water resources modeling software such as RiverWare, MODSIM and StateMod.

Skills

- Work across functional areas within the organization.
- Demonstrated good interpersonal skills and ability to work on teams.
- Communicate effectively with constituents and regulatory agencies.
- Experience supervising others.
- Excellent written and verbal communication.
- Public speaking.
- Report writing.

Abilities

- Able to understand complex engineering documents including engineering drawings and reports.

PHYSICAL REQUIREMENTS

- Must be capable of working both in an office setting and in the field.
- Balancing, using legs to stabilize self on uneven surfaces, ditch sides, concrete abutments, etc.
- Requires sustained operation of keyboard devices.
- Requires prolonged sitting, standing, and walking in performance of daily duties. Ability to lift, drag or push boxes, paper and documents weighing up to 25 pounds.
- Must be able to meet the physical requirements of a post job offer physical examination.

Reasonable accommodations will be made to enable qualified individuals with disabilities to perform the essential functions of the job.

OTHER REQUIREMENTS

- Maintains a personal appearance appropriate for job position and image of Northern Water.

This job description in no way states or implies that these are the only duties to be performed by this employee.

Northern Water provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, marital status, sexual orientation, gender identity, national origin, disability, genetics, veteran status or other legally protected characteristics. Northern Water complies with applicable state and local laws governing nondiscrimination in employment in every location in which the company has facilities. Northern Water also prohibits any form of workplace harassment in accordance with these laws. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation and training.